28

20

30

26

18

22

12

24

32

FIG. 1

Input

Local/Remote Computer 40

Select Display 43

Yes

Position Data Stylus On Display 46

Thumbwheel Input

Select Function 42

Memory Function 44

Sense Removal of Stylus 48

Data From Stylus 50

Position Determined Upon Removal of Stylus 52 NO

Enter data on display and into computer 54

Reture to modied display 56

FIG. 2

Figure 3 -- Improved system with manually operable function select
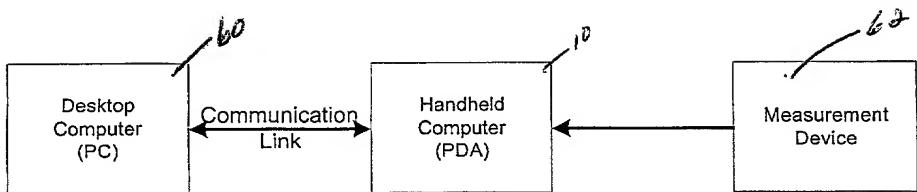
Figure 1a Overall block diagram
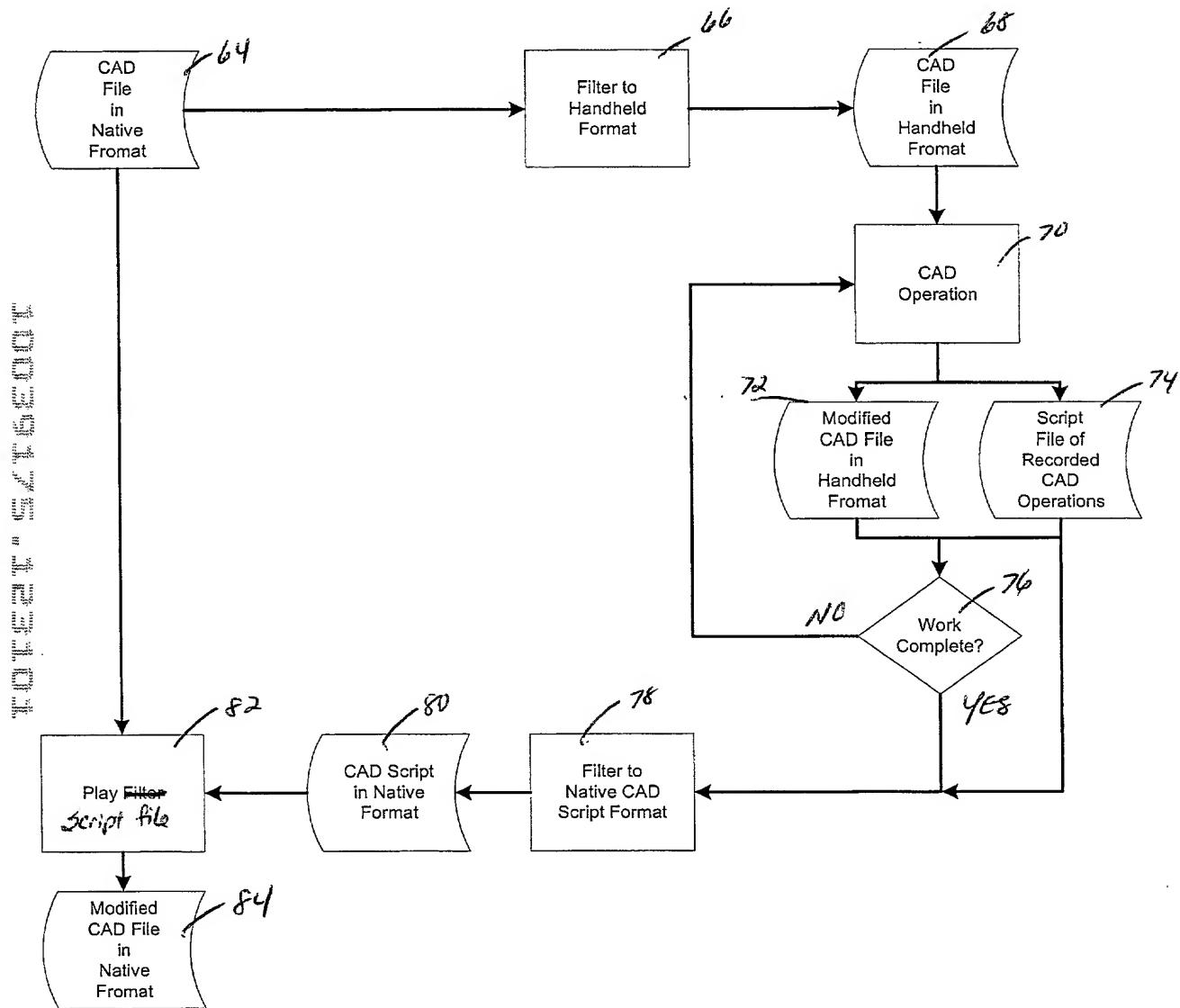
Figure 1b Data flow for modifying, and creating Native
CAD drawings

PocketCAD 3D?E

110

20

108

102

104aa – 104jj
104k – 104t
104u – 104dd
104ee – 104kk

118

152

113
112
124
111

New Tool

114

101

106

FIG. 4

FIG. 5

FIG. 6

Figure 10. Default view for the Set First Point dialog box

FIG. 7
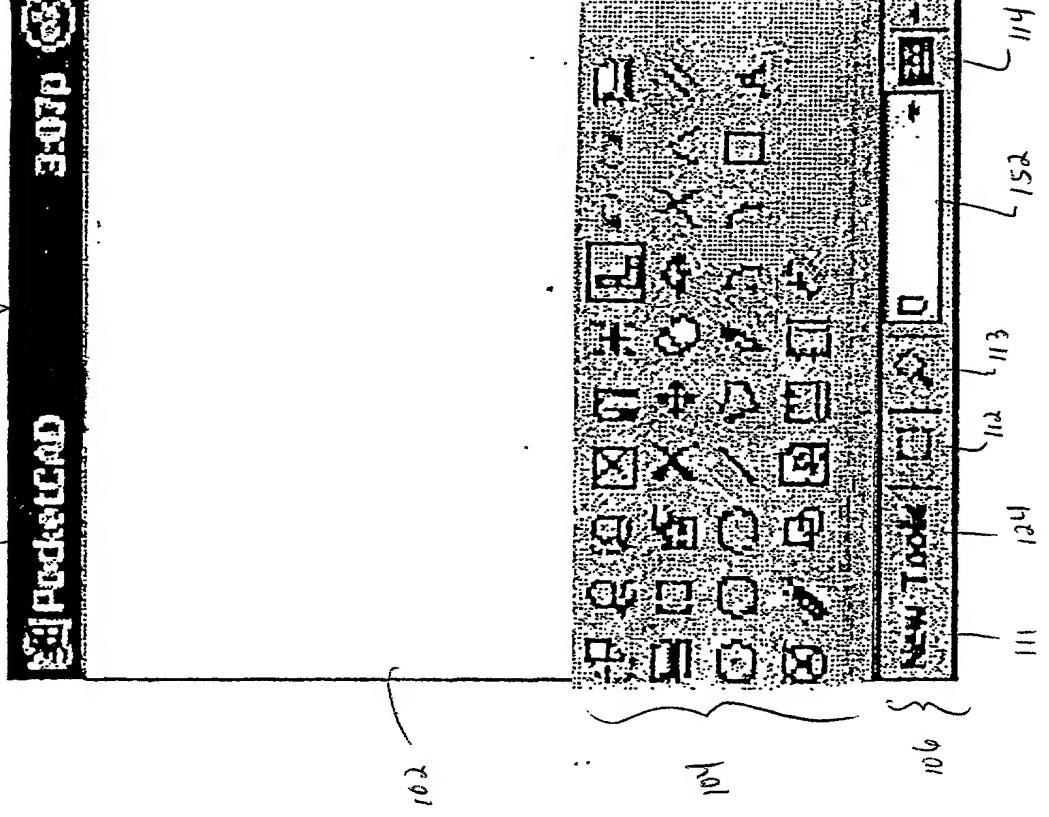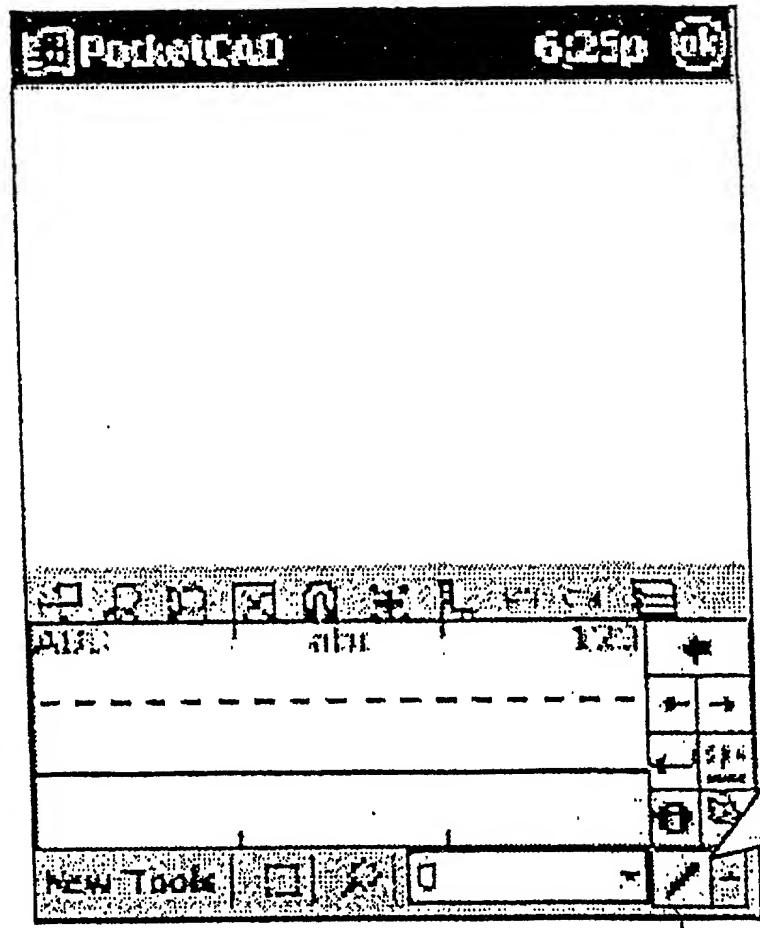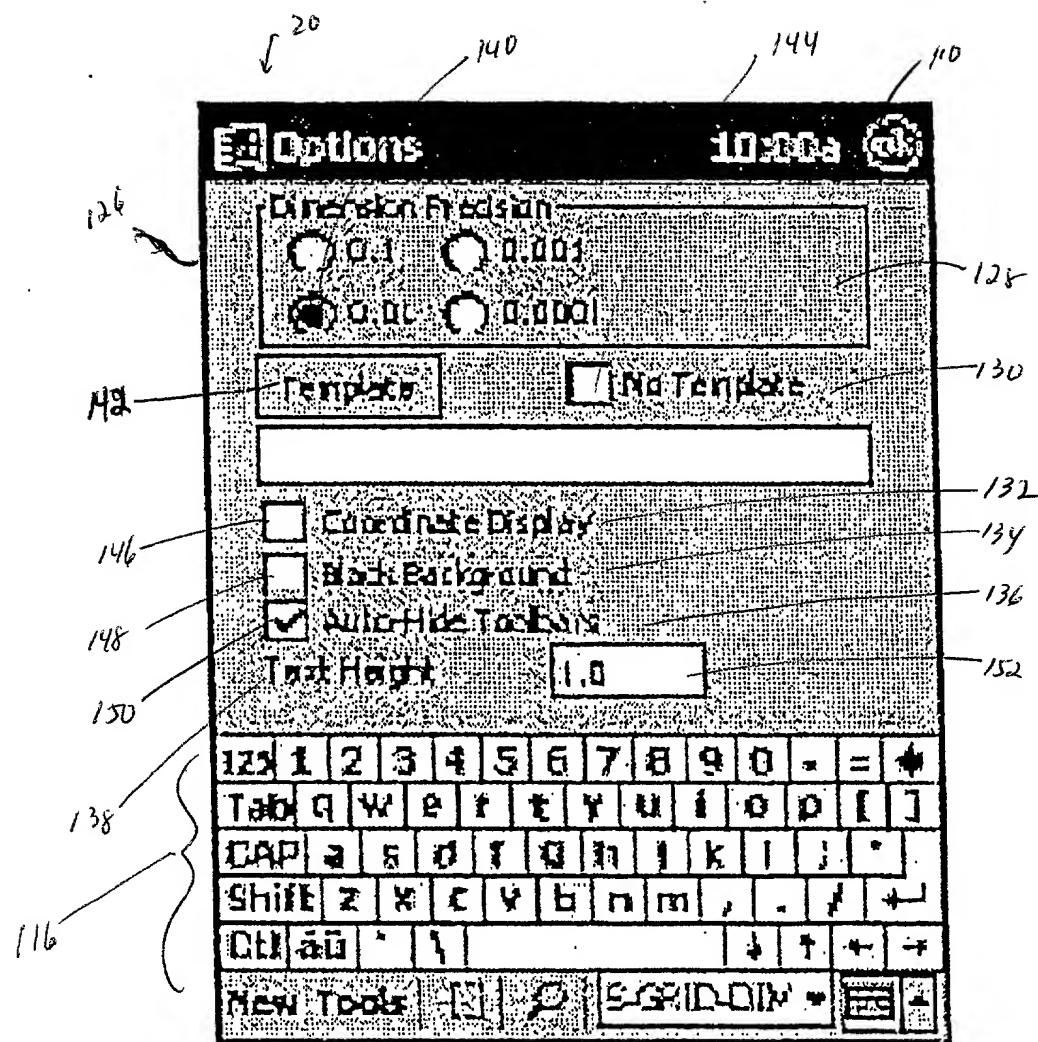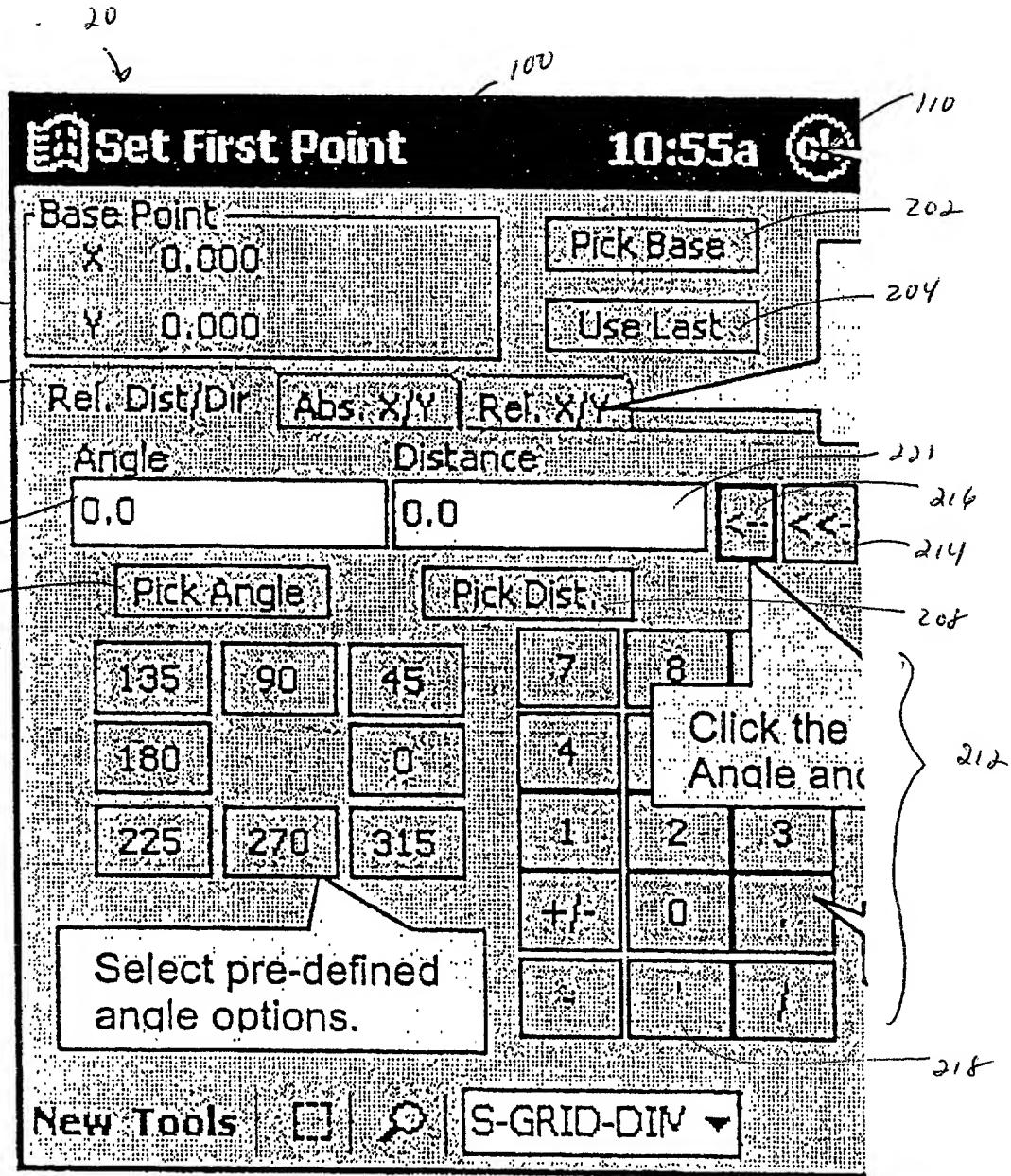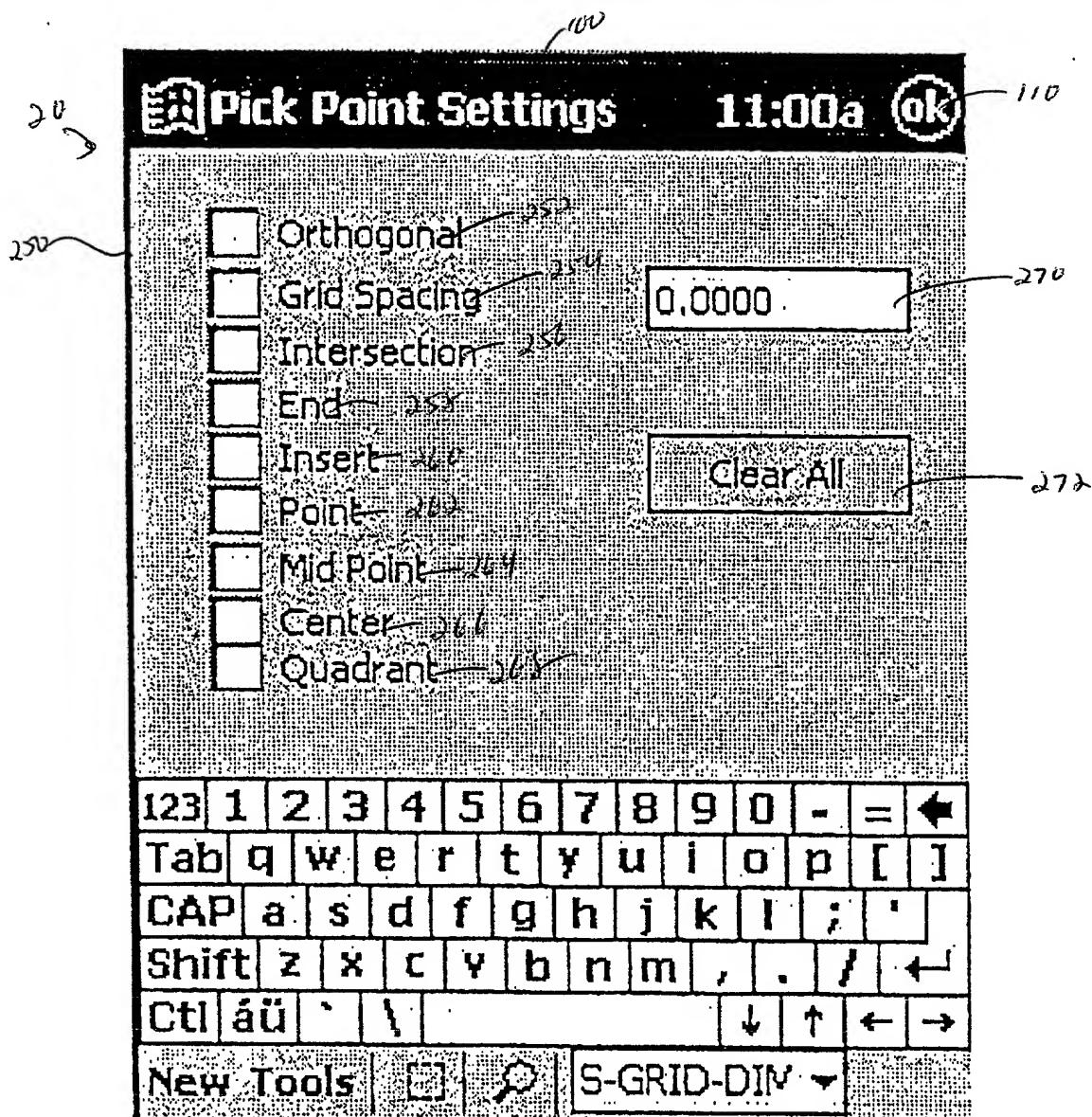
Figure 15. Pick Points dialog box

FIG. 8
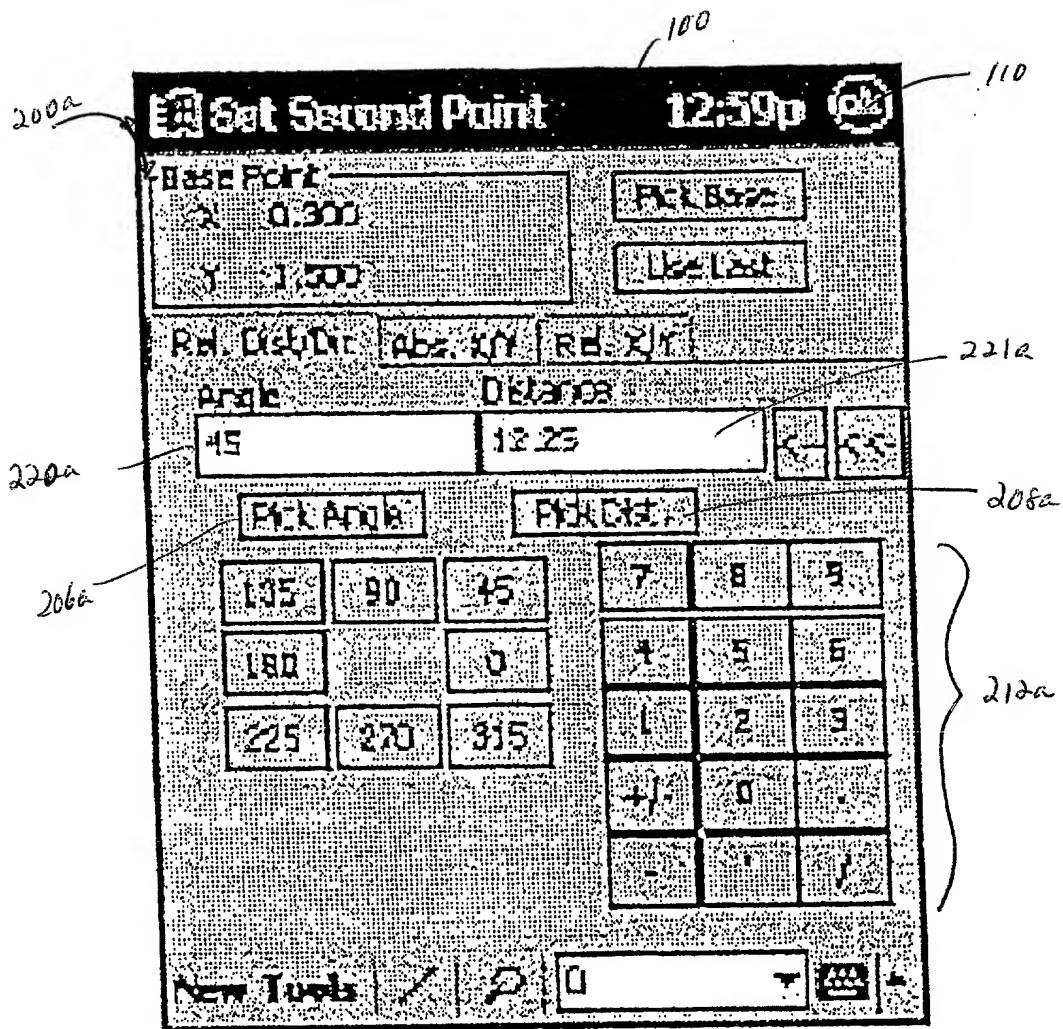
Figure 2N. Setting a specific line angle and distance

FIG. 9

100

110

200

Set First Point 10:57a (ok)

Base Point
X   0.000
Y   0.000

Pick Base

Use Last

Rel. Dist/Dir | Abs. X/Y | Rel. X/Y

X Coordinate   Y Coordinate

0.0   0.0

204a   *206a*

<-   <<-

7	8	9
4	5	6
1	2	3
+/-	0	.
-		/

212a

New Tools | [] | 🔍 | S-GRID-DIM ▼
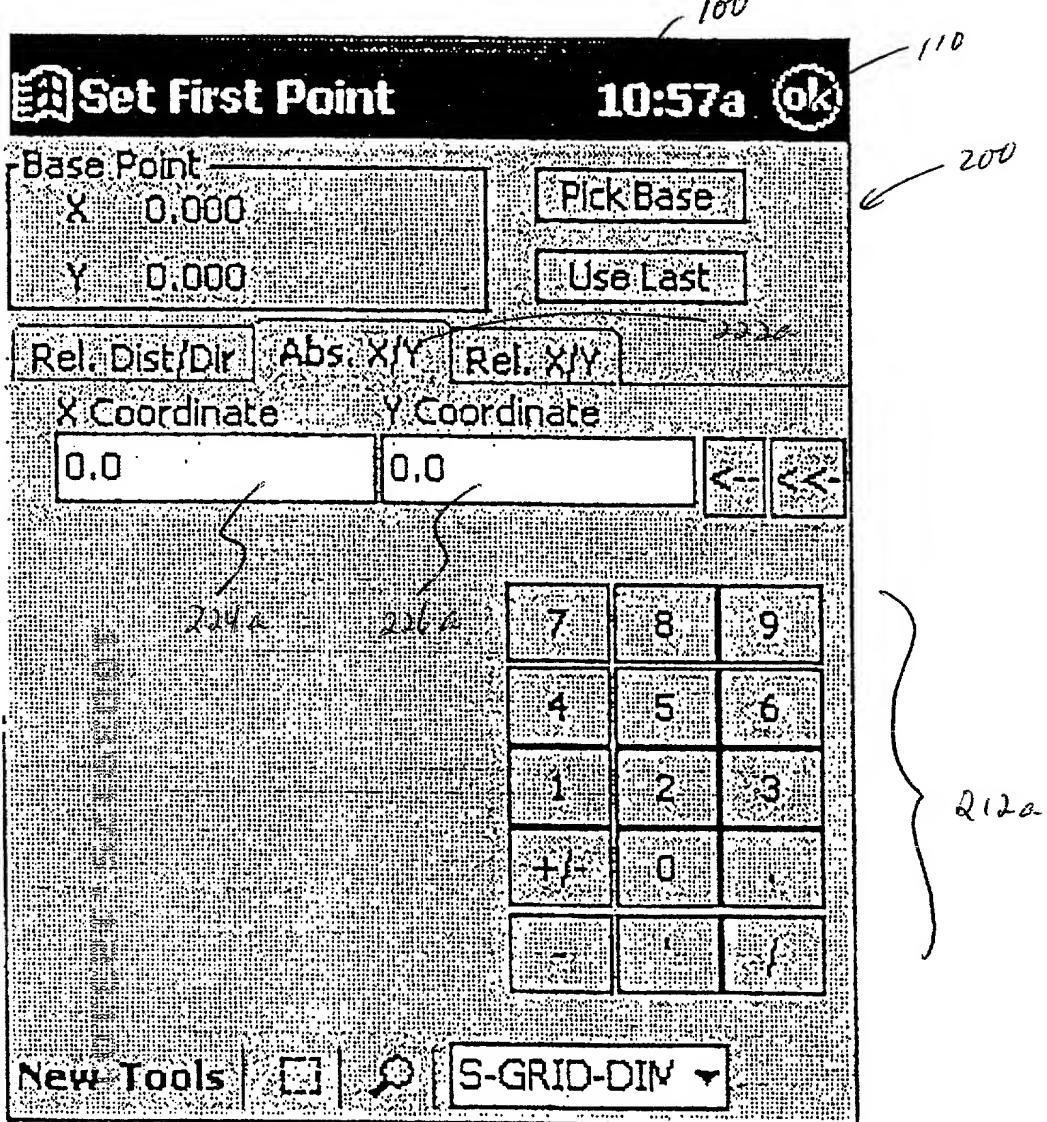
Figure 11. Absolute X/Y page in the Set First Point dialog box

FIG. 10

20

300

Text Designer 2:03p

TEXT

306 Height 1.0 Rotate 0.0 308

304 Antialiasing Cancel

302

T
feat
ch
you

116

New Tools | A | ⚙ | S-GRID-DIM ▼ | ⊞ |
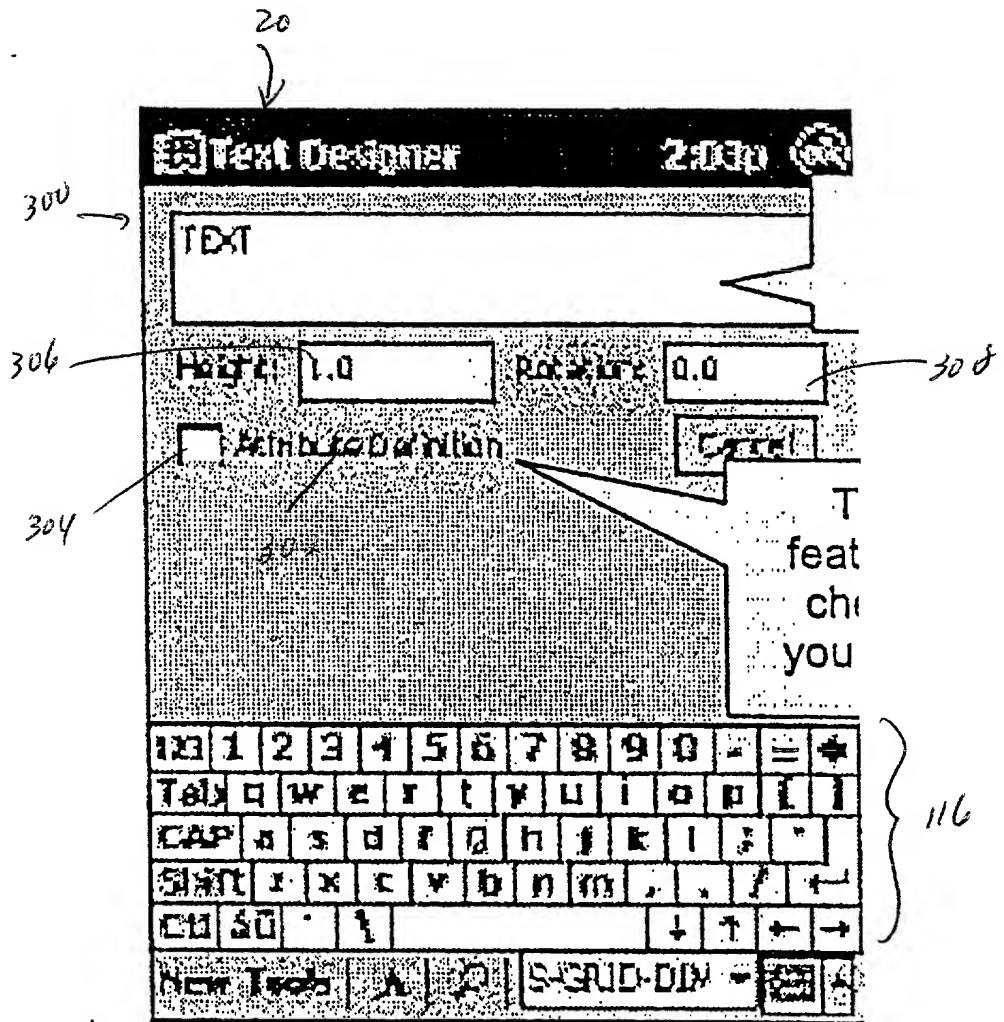
Figure 27. Text Designer dialog box

FIG. 11

Name	Color	
☑ B-WALL	Red	
☑ B-PATT	Red	
☑ S-GRID-IDEN	Yellow	
☑ S-GRID	Blue	
☑ B-GLAZ-SILL	Blue	
☑ B-UTIL-TOIL	Blue	
☑ B-TEXT	Green	
☑ B-DOOR	Green	
☑ R-WALL-HEAD	Blue	

Current Layer: S-GRID-DIMS

[New Layer] [Set Current] [Properties...]

Current Layer pu
list box

New Tools │ A │ 🔍 │ S-GRID-DIM ▾
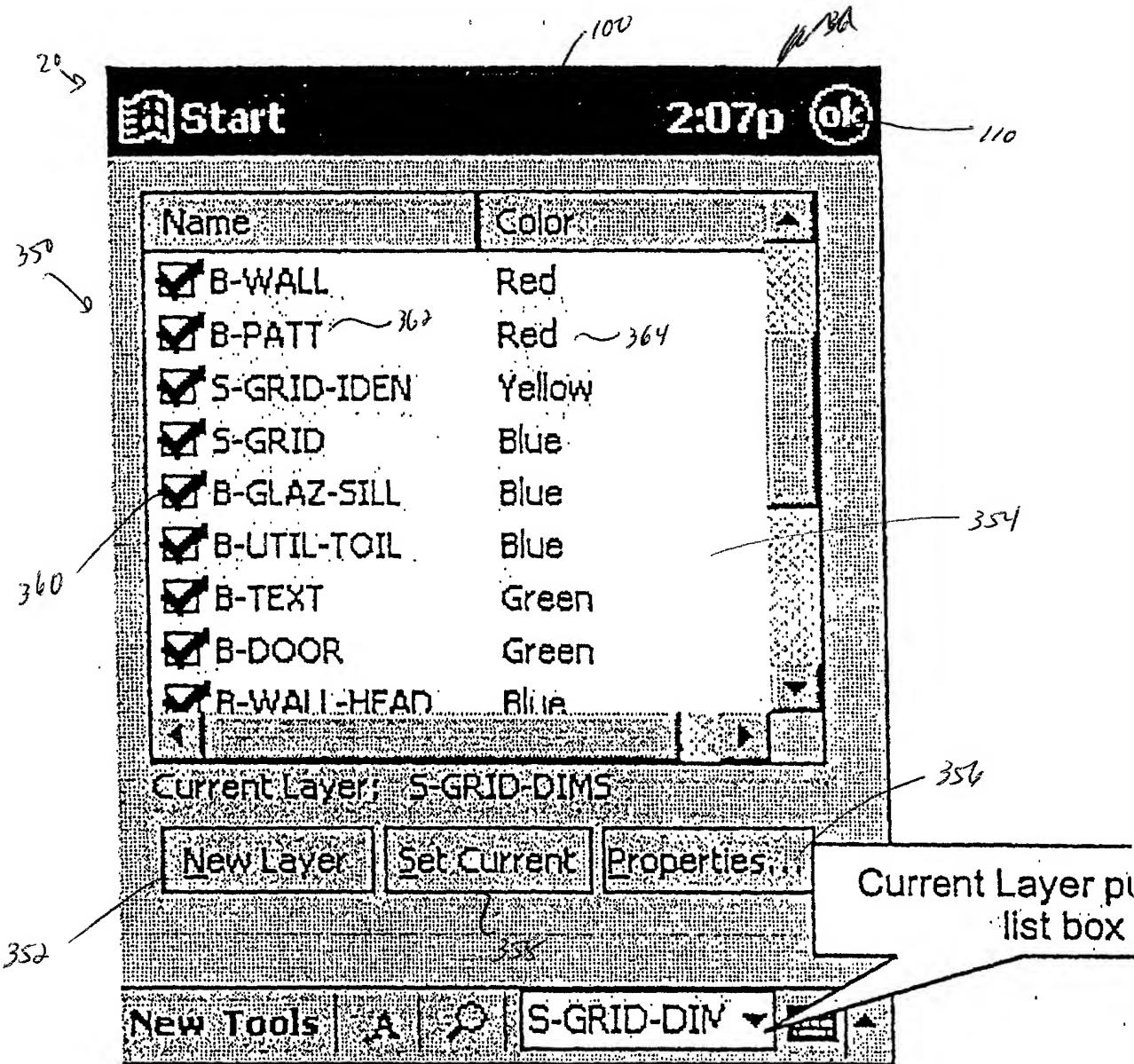
Figure 28. Layer dialog box

FIG. 12

20 *100*

PocketCAD   9:57a (ok) — *110*

404 — File...

400 — \my.cad

402 — Block.

my

Th
is (
ins
dra

Rotation Angle   0.0

410

X Scale Factor   1.0

406

Y Scale Factor   1.0

408

123	1	2	3	4	5	6	7	8	9	0	-	=	←
Tab	q	w	e	r	t	y	u	i	o	p	[	]
CAP	a	s	d	f	g	h	j	k	l	;	'
Shift	z	x	c	v	b	n	m	,	.	/	↵
Ctl	áü	`	\			↓	↑	←	→

New Tools ⊗ ▲ 🔍 Builtin ▼ ⌨ ▲
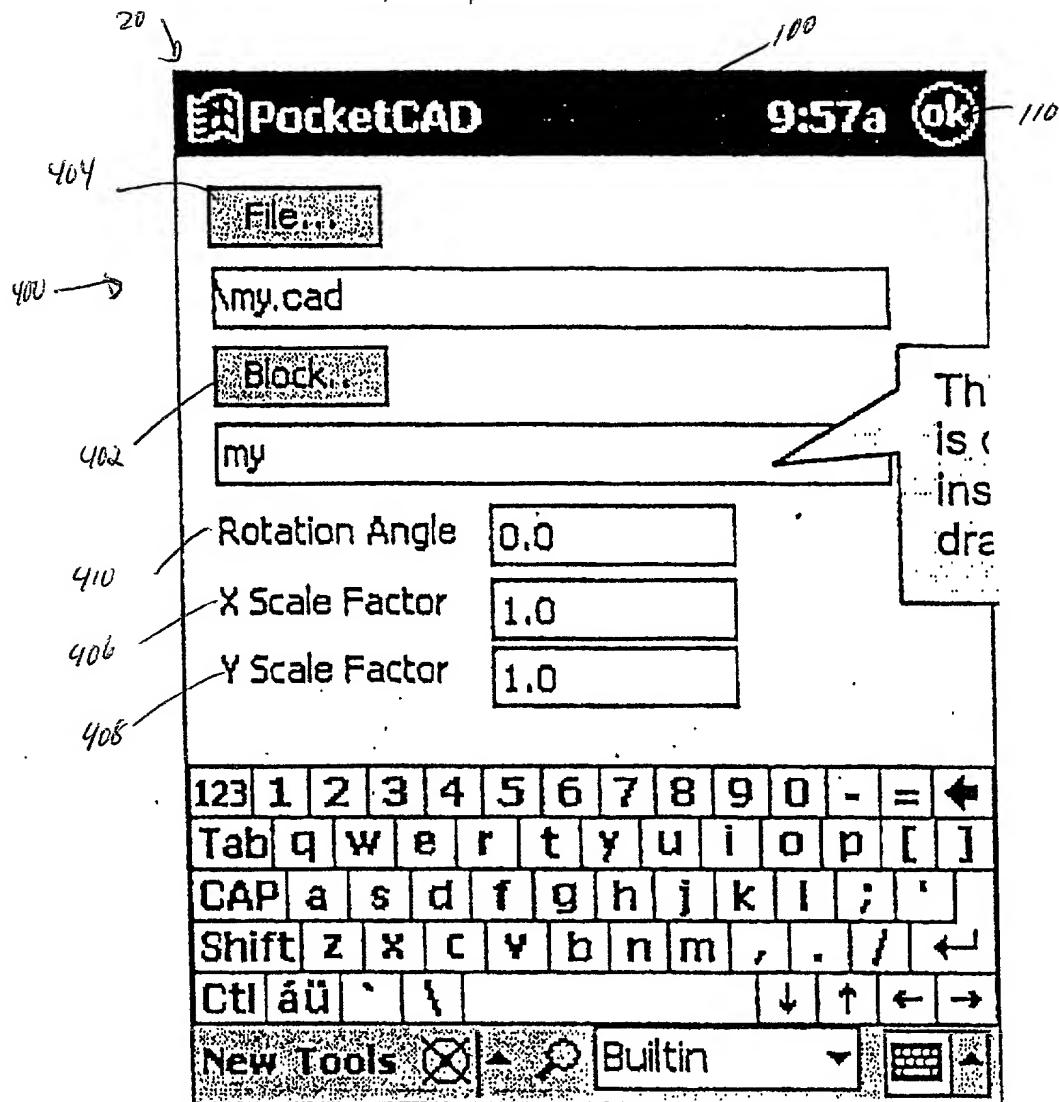
Figure 3A Insert Block dialog box

FIG. 13

Open   2:57p

Open

Folder: All Folders ▼   Cancel

Type: Drawing Files (*.CAD) ▼

Name ▲	Type	Date
Licirs		8/23 6:56 P
sample		8/22 6:24 P
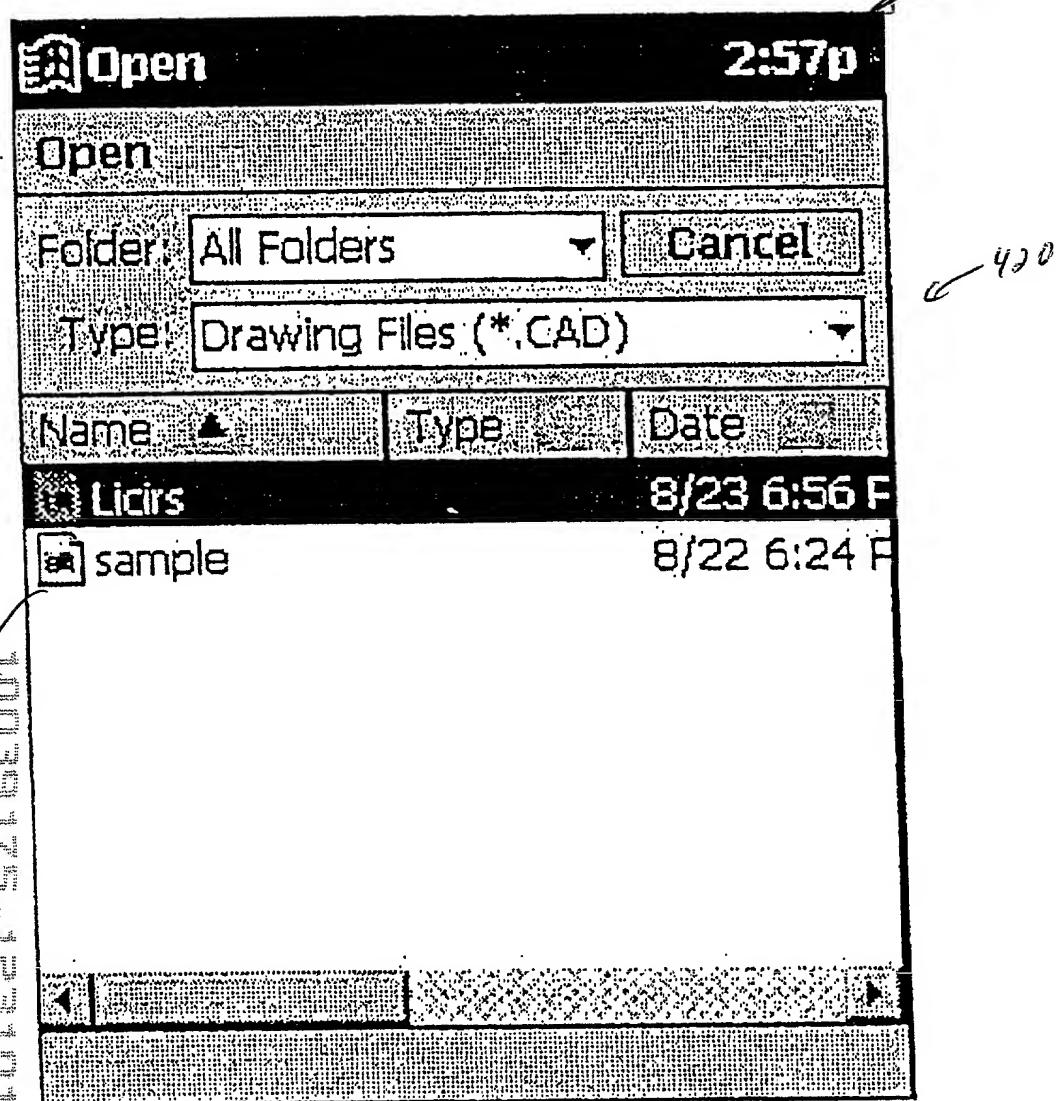
Figure 36. Standard Windows File Open dialog box

FIG. 14

20

100

442

440

Start   **3:47p**   **ok**

Block Name

Name: new_cubicle   ▼

Base Point

X   0.000000   < Select   444

Y   0.000000

1 Entity Selected   Cancel

New Tools   ⟁   🔍   0   ▼
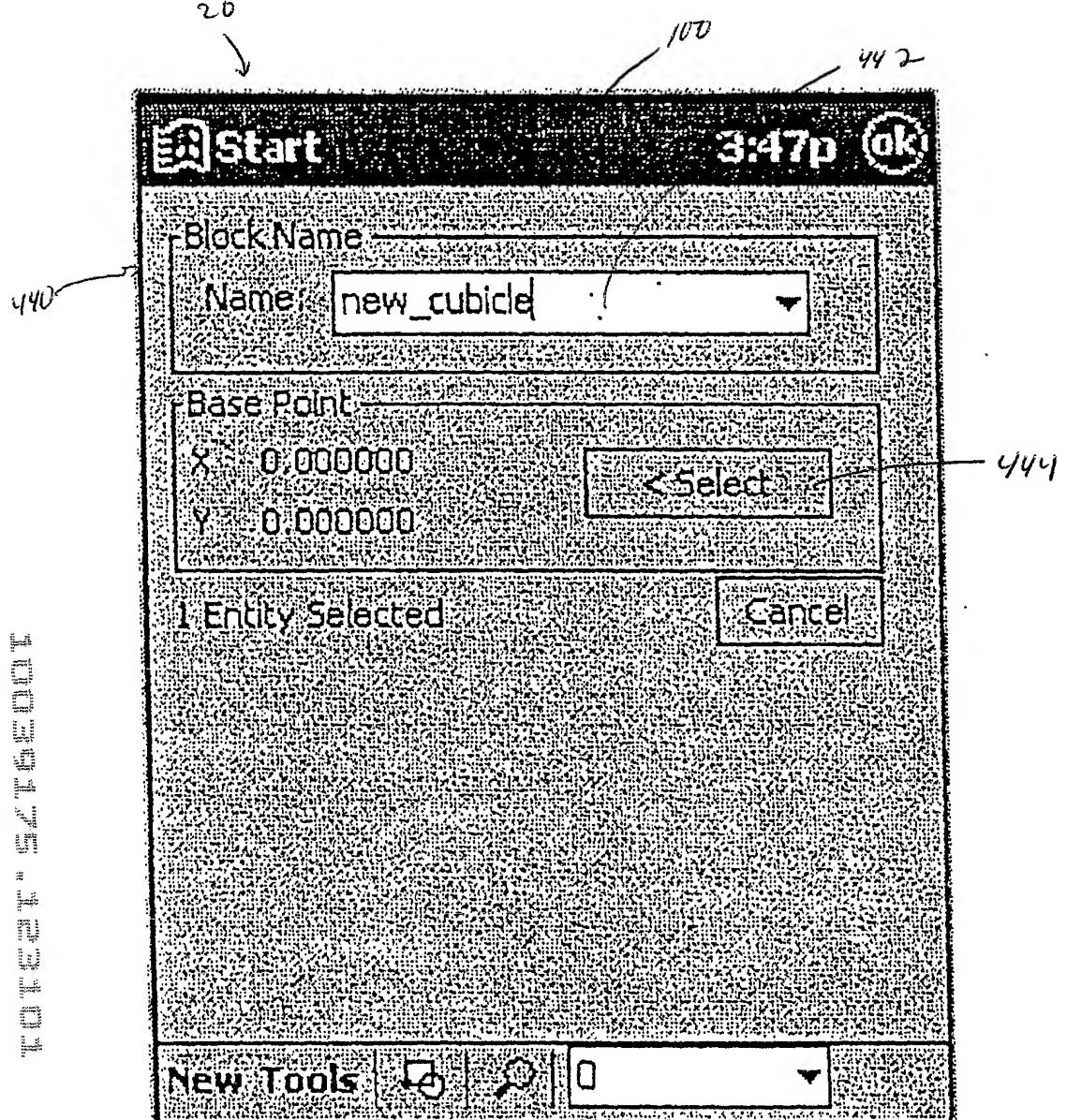
Figure 38. Make Block dialog box

FIG. 15

20

100

110

460

464

462

466

Start 3:29p **ok**

Source
○ Current Selection
● Block: [_____ ▼]

Base Point
X 0.000000
Y 0.000000

[< Select]

0 Entities Selected   [Cancel]

New Tools 🖻 🔎 [S-GRID-DIN ▼] ⌨ ▲
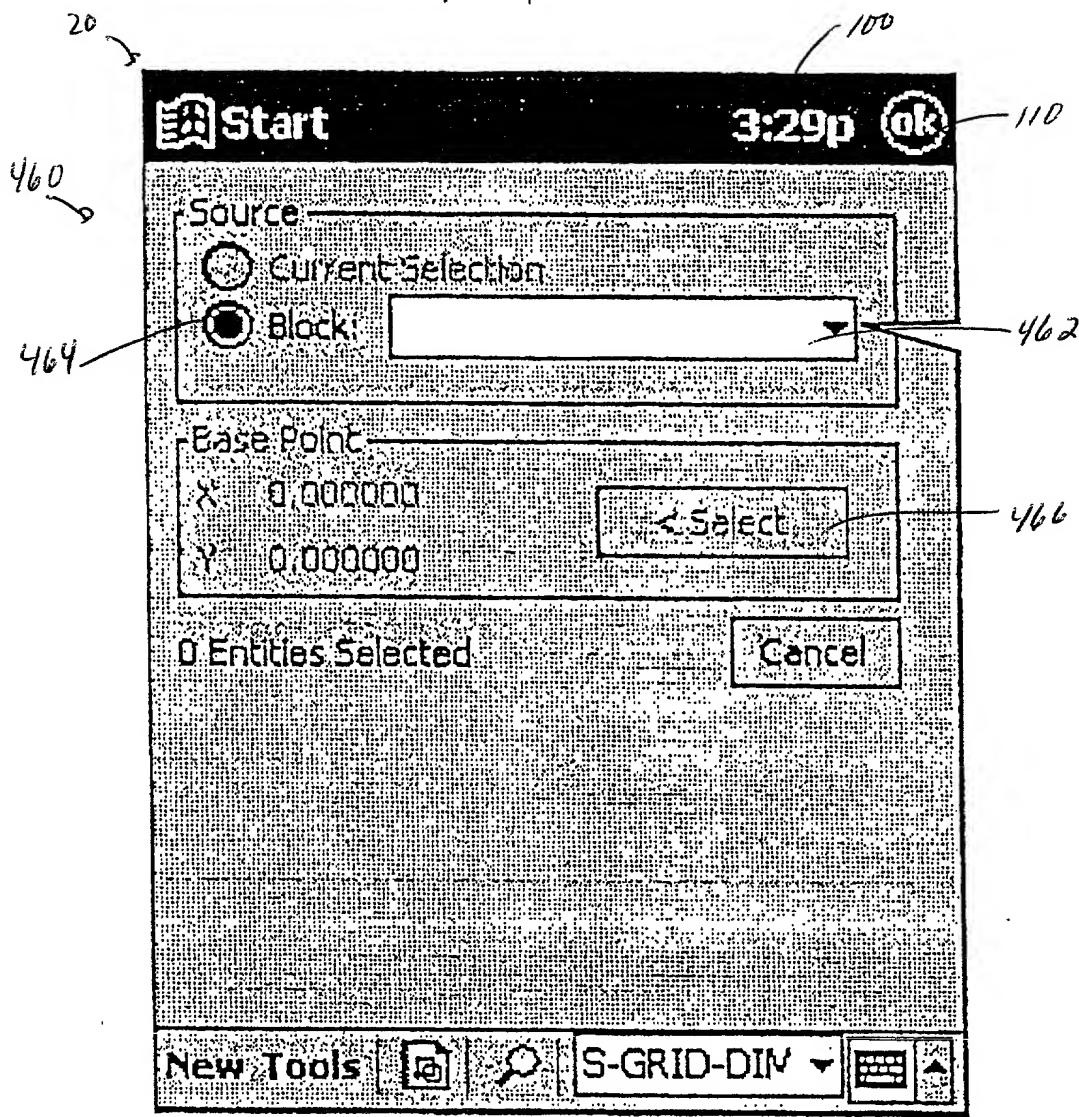
Figure 41 Write Block dialog box

FIG. 16
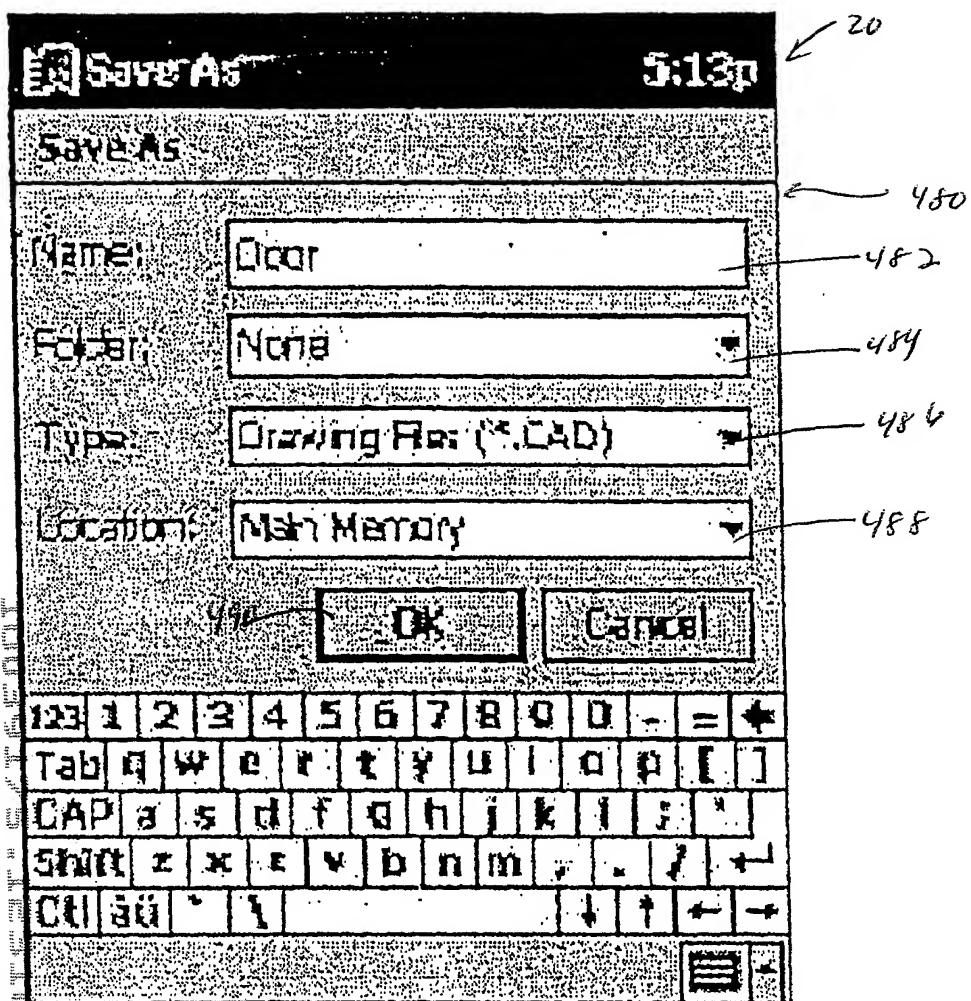
Figure 42 Save As dialog Box showing block to write

FIG. 17

Text Designer   3:42p   (ok)

Text Designer Dialog Box

Height: 1.0   Rotation: 0.0

☑ Attribute Definition   [Cancel]

Tag:

Prompt:

☐ Invisible ☐ Verify ☐ Constant ☐ Preset

| 123 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | - | = | ← |

| Tab | q | w | e | r | t | y | u | i | o | p | [|] |

| CAP | a | s | d | f | g | h | j | k | l | ; | ' |

| Shift | z | x | c | v | b | n | m | , | . | / | ↵ |

| Ctl | áü | ` | \ | | | | | ↓ | ↑ | ← | → |

New Tools | A | 🔍 | 0 ▼ | ⌨ ▲
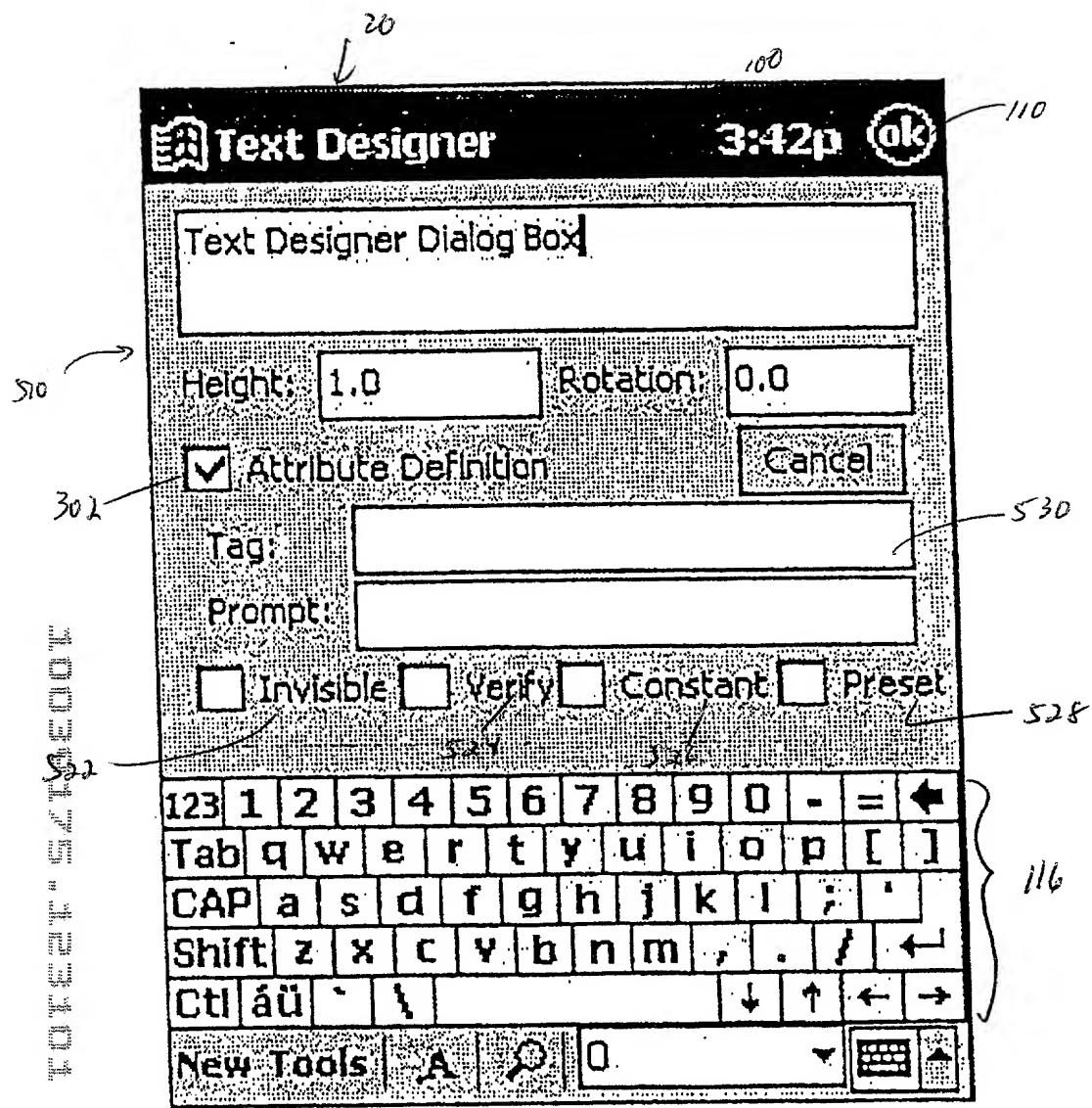
Figure 46 Property dialog box for attributes

FIG. 18
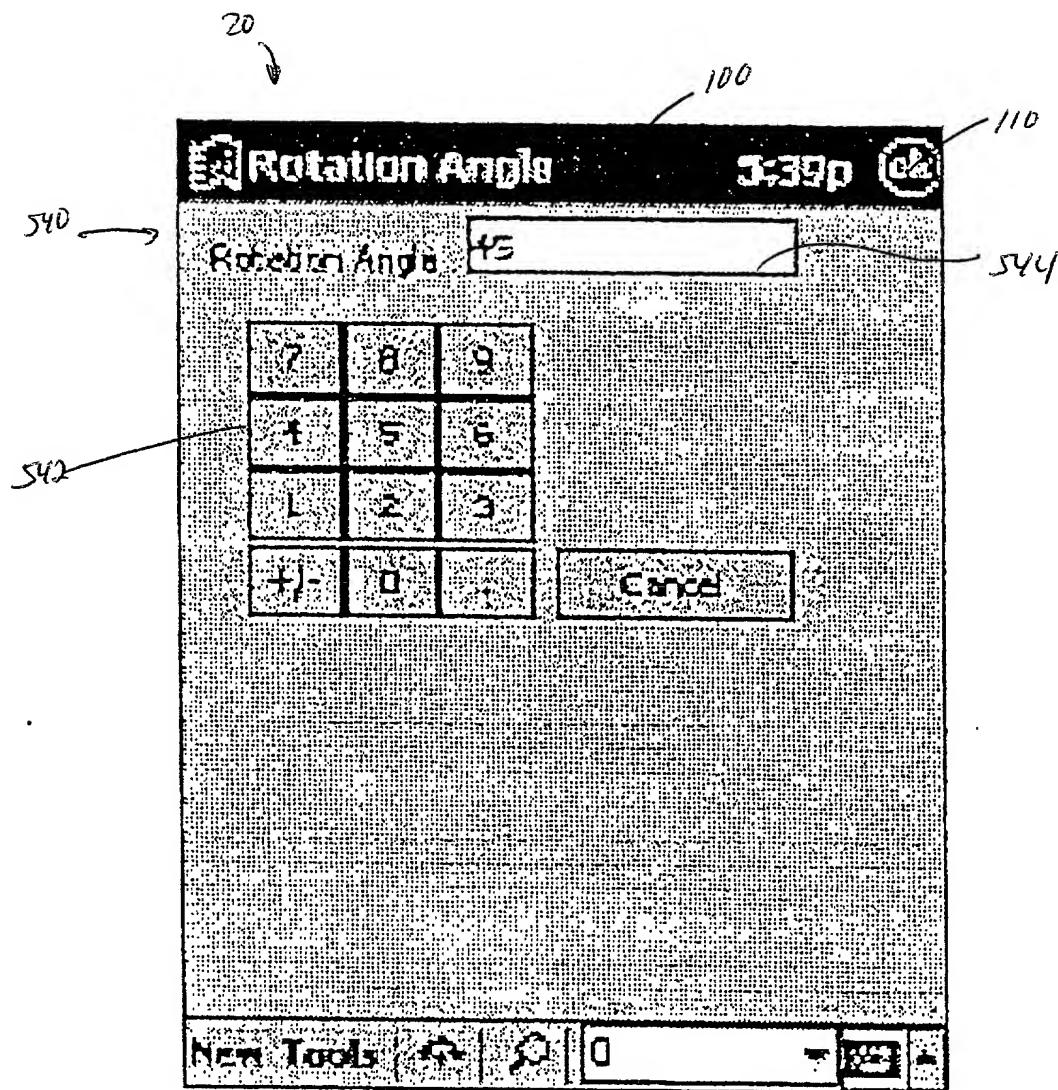
Figure 33: Rotation Angle dialog box

FIG. 19

Offset Distance   5:49p   (ok)

Offset

0.0000

Cancel

123	1	2	3	4	5	6	7	8	9	0	-	=	←
Tab	q	w	e	r	t	y	u	i	o	p	[	]	
CAP	a	s	d	f	g	h	j	k	l	;	'		
Shift	z	x	c	v	b	n	m	,	.	/	↵		
Ctl	áü	`	\					↓	↑	←	→		

New Tools   //   🔎   0   ▼   ⌨   ▲

FIG. 20

580 →

20

100

110

| Property	Value
⊞ Entity	
Type	Circle
Layer	0
Color	By Layer
⊞ Advanced Entity	
⊟ Circle	
Center Pt	-3.250000,3.300000,0.00000
Radius	2.997080
Area	28.219369

582

584

586

588

590

592

594

596

598
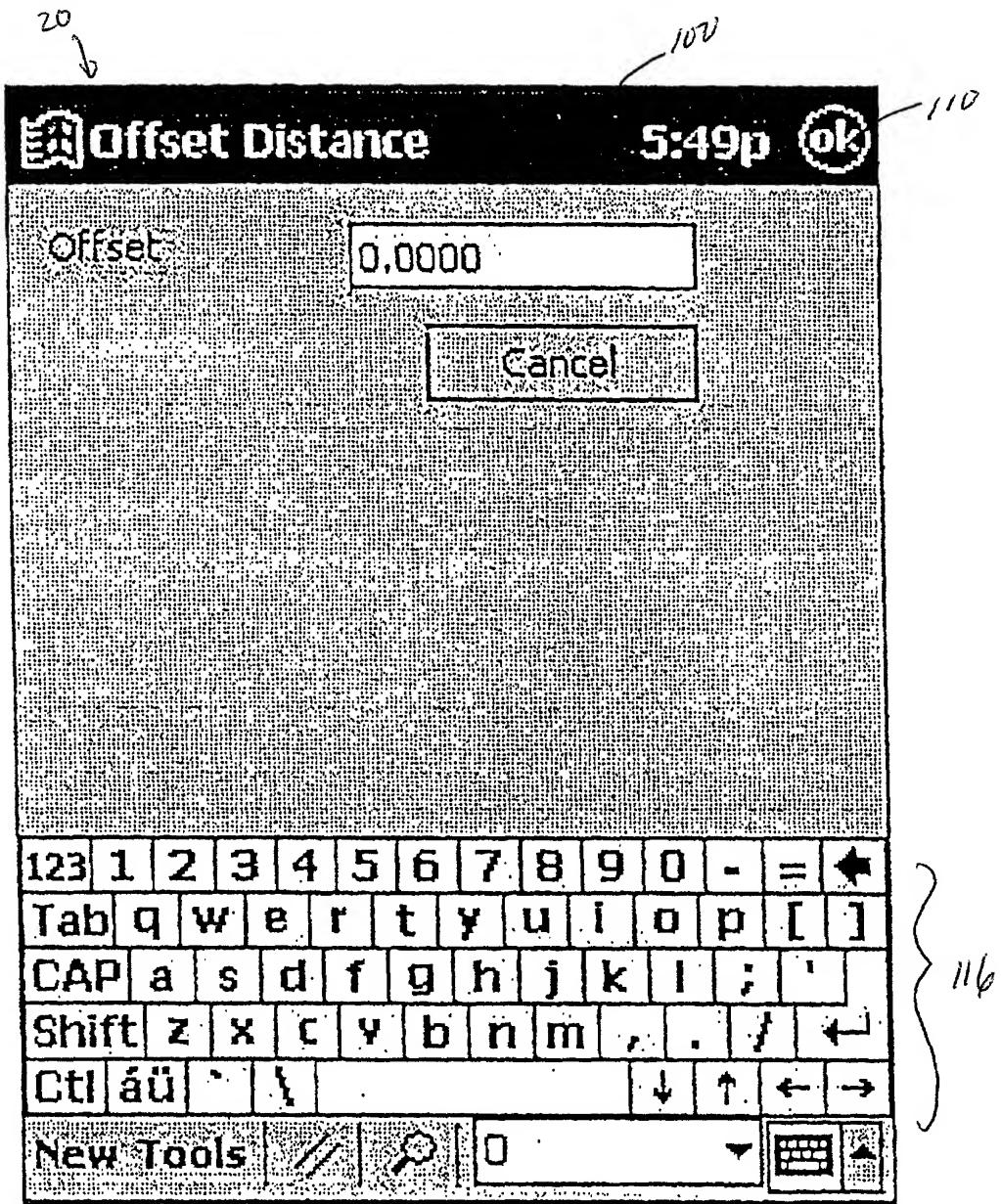
New Tools · 0 ▼
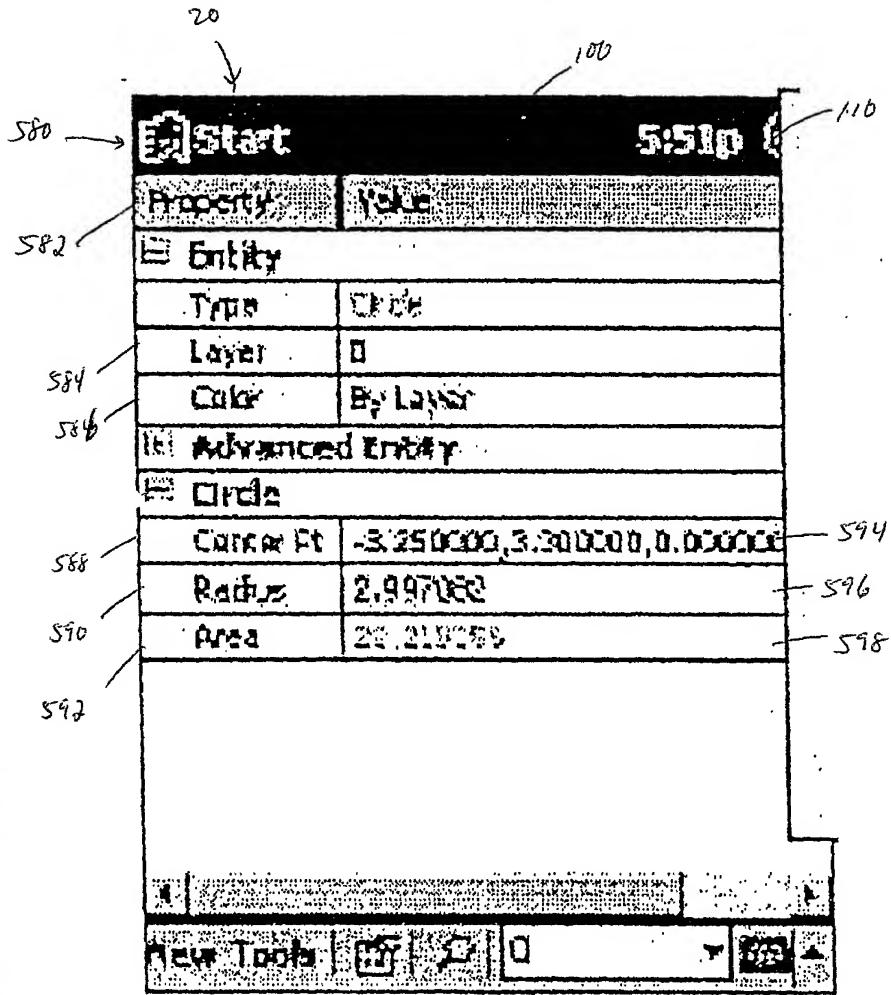
Figure 56: Object Properties dialog box

FIG. 21